Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/18/2020 11:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125398	0	2.40	125569	2.41
Blue	F	SSC	125000	124543	-1	1.82	125343	1.78
Blue	E	FITC	15892	15568	-3	2.84	339	21.44
Blue	D	PE	29999	29258	-3	2.00	638	15.28
Blue	B	PerCP-Cy5-5	43732	43699	-1	3.79	1169	20.60
Blue	A	PE-Cy7	30845	31105	0	6.34	594	43.36
Red	C	APC	46112	45302	-2	2.56	1605	12.50
Red	A	APC-Cy7	30458	29746	-3	2.54	788	12.17
Violet	B	V450	7918	7664	-4	4.14	435	12.97
Violet	A	V500	32171	31263	-3	3.95	732	10.43

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16922	12.61	637	16	N/A	N/A	Pass
Blue	F	SSC	56841	1.34	575	16	N/A	N/A	Pass
Blue	E	FITC	61	64.02	551	8	0.0163	47	Pass
Blue	D	PE	133	51.50	556	8	0.1481	260	Pass
Blue	B	PerCP-Cy5-5	215	51.02	664	8	0.0089	77	Pass
Blue	A	PE-Cy7	110	105.10	710	12	0.0095	9	Pass
Red	C	APC	382	25.55	593	9	0.0224	89	Pass
Red	A	APC-Cy7	174	30.05	564	8	0.0055	1410	Pass
Violet	B	V450	66	57.02	461	3	0.0481	1718	Pass
Violet	A	V500	110	30.48	477	3	0.0214	279	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.44	-32.72	1.03
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.40
Red	15.41	13.60 - 20.40	N/A	N/A	29.63	30.39	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 10012

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments